DATASHEET

CRP Mouse Monoclonal Antibody(ARA6388)

CAT. NO. ARA6388

KEY FEATURES

Target:	CRP	**Clone ID:**	ARA6388
Source/Host:	Mouse	**Reactivity:**	Human
Clonality:	Monoclonal	**Applications:**	IHC
Storage:	at-20°C		

BACKGROUND

C Reactive Protein (CRP) is produced by liver epithelial cells and is characterized by a cyclic pentameric structure and calcium-dependent ligand binding. IL-6 is the major inducer of the human CRP gene, and IL-1 and steroids can enhance this induction. Testosterone is required for the expression of the CRP transgene in vivo, whereas testosterone is not required for expression of the SAP gene. During the acute-phase response, cytokine C5a acts with IL-6 and/or IL-1b to promote upregulation of the CRP and SAP genes. Stat3 is involved in mouse CRP gene expression. CRP binds to Fc gamma R and opsonizes particles for phagocytosis by human polymorphonuclear leukocytes. Opsonization of zymosan by CRP is mediated through Fc gamma RI, while Fc gamma RII and Fc gamma RIII are receptors for SAP. Therefore, CRP and SAP play critical roles in the host defense system.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:100-1:500

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Mouse monoclonal antibody to CRP
Antibody Type	Primary antibody
Immunogen	Recombinant protein.
Purification	Protein A affinity purified.
Molecular Weight	25 kDa
Isotype	IgG1
Form/Buffer	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Alternative Names	C-reactive protein; PTX1
Gene Symbol	CRP
Entrez Gene	1401(Human);
SwissProt	P02741(Human);

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

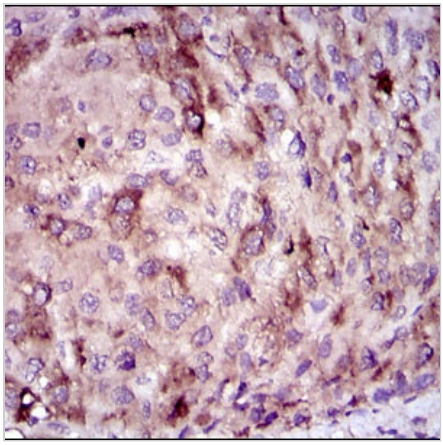
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue with CRP Mouse Monoclonal Antibody(ARA6388).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com